

Mini-Fit, Jr.™ Power Connectors

The Molex Mini-Fit family of connectors is designed for higher current/higher density applications which require design flexibility for wire-to-wire and wire-to-board configurations. Mini-Fit is ideal for power applications up to 13.0 A per circuit. The core attributes of the Mini-Fit family include: Fully isolated terminals, positive housing locks, low engagement forces and polarized housings and receptacles. Mini-Fit is UL Recognized, CSA approved and TUV Licensed. All components are lead-free and RoHS compliant.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Right-Angle Headers Tin Plated with PCB Mounting Flanges

Stock No.	Mfr.'s Type	Fig.	No. of Circuits	Rating	EACH	
					1-49	50-99
863-0626	39-29-1028	1	2	94V-2	.33	.30
863-0455	39-29-1048	1	4	94V-2	.43	.39
863-0322	39-29-1068	1	6	94V-2	.75	.69
863-0456	39-29-1088	1	8	94V-2	.78	.71
863-0806	39-29-1108	1	10	94V-2	.94	.86
863-0280	39-29-1128	1	12	94V-2	1.13	1.03

Right-Angle Headers Tin Plated with PCB Mounting Pegs

Stock No.	Mfr.'s Type	Fig.	No. of Circuits	Rating	EACH	
					1-49	50-99
863-0470	39-30-1020	2	2	94V-2	.33	.30
863-0471	39-30-1040	2	4	94V-2	.40	.36
863-0744	39-30-1060	2	6	94V-2	.50	.45
863-0774	39-30-1080	2	8	94V-2	.60	.54
863-0807	39-30-1100	2	10	94V-2	.70	.64
863-0362	39-30-1120	2	12	94V-2	.80	.74
863-0708	39-30-1160	2	16	94V-2	1.61	1.47

Vertical Header Assemblies — Tin Plated

863-0377	39-28-1023	6	2	94V-2	.31	.29
863-0651	39-28-1043	6	4	94V-2	.38	.35
863-0687	39-28-1040	6	4	94V-0	.61	.55
863-0652	39-28-1063	6	6	94V-2	.51	.46
863-0628	39-28-1083	6	8	94V-2	.70	.64
863-0422	39-28-1103	6	10	94V-2	.82	.74
863-0522	39-28-1123	6	12	94V-2	.86	.79
863-0808	39-28-1163	6	16	94V-2	1.43	1.30

Mini-Fit, Jr.™ Terminals

Stock No.	Mfr.'s Type	Type	Wire AWG Range	Insulation Range (In.)	Contact Plating	EACH	
						1-49	50-99
863-0372	39-00-0047	Female	28-22	0.035-0.071	Brass (Tin Plated)	.06	.05
863-0323	39-00-0049	Male	28-22	0.035-0.071	Brass (Tin Plated)	.07	.07
529-0121	39-00-0046	Female	28-22	0.035-0.071	Tin (Brass Plated)	.03	.03
529-0460	39-00-0066	Male	28-22	0.035-0.071	Bronze (Tin Plated)	.12	.11
529-0461	39-00-0068	Male	28-22	0.035-0.071	Bronze (Tin Plated)	.12	.11
529-0190	39-00-0210	Female	28-22	0.035-0.071	Brass (Tin Plated)	.11	.10
529-0061	39-00-0140	Female	28-22	0.035-0.071	Brass (Gold Plated)	.31	.28
529-0160	39-00-0156	Female	28-22	0.035-0.071	Bronze (Gold Plated)	.45	.41
863-0419	39-00-0039	Female	24-18	0.051-0.122	Brass (Tin Plated)	.05	.04
863-0382	39-00-0041	Male	24-18	0.051-0.122	Brass (Tin Plated)	.06	.05
863-0383	39-00-0060	Female	24-18	0.051-0.122	Phosphor Bronze (Tin Plated)	.11	.10
863-0439	39-00-0062	Male	24-18	0.051-0.122	Phosphor Bronze (Tin Plated)	.12	.11
529-0012	39-00-0038	Female	24-18	0.051-0.122	Brass (Tin Plated)	.02	.02
529-0018	39-00-0040	Male	24-18	0.051-0.122	Brass (Tin Plated)	.04	.03

Mini-Fit, Jr.™ Connector Kits



Mini-Fit, Jr.™ Wire-to-Board Kit

Kit Contains: Vertical headers, right-angle headers and crimp housing receptacles in 2 to 20 circuits. All Three Connector Types Are Provided in Each of the Following Quantities: Five 2-circuit, five 4-circuit, five 6-circuit, three 8-circuit, three 10-circuit, three 12-circuit, three 14-circuit, three 16-circuit, two 18-circuit and two 20-circuit. 100 18-24 AWG female crimp terminals also are included. Voltage Rating: 600 V. UL recognized, CSA certified, TUV approved.

Stock No.	Mfr.'s Type	EACH
863-1143	WM-39WB	59.46

Mini-Fit, Jr.™ Wire-to-Wire Kit

Kit Contains: Crimp housing receptacles, and crimp housing plugs in 2 to 16 circuits. Both Connector Types Are Provided in Each of the Following Quantities: Five 2-circuit, five 4-circuit, five 6-circuit, five 8-circuit, five 10-circuit, four 12-circuit, three 14-circuit and three 16-circuit. 100 female and 100 male 18-24 AWG crimp terminals also are included. Voltage Rating: 600 V. UL recognized, CSA certified, TUV approved.

Stock No.	Mfr.'s Type	EACH
863-1144	WM-39WW	36.43

Plug Housings — Free Hanging

Stock No.	Mfr.'s Type	Fig.	No. of Circuits	Rating	EACH	
					1-49	50-99
863-0444	39-01-3023	4	2	94V-2	.15	.14
863-0737	39-01-3029	4	2	94V-0	.30	.27
863-0445	39-01-3049	4	4	94V-0	.35	.32
863-0431	39-01-3043	4	4	94V-2	.17	.15
863-0446	39-01-3063	4	6	94V-2	.20	.19
863-0597	39-01-3069	4	6	94V-0	.41	.37
863-0622	39-01-3089	4	8	94V-0	.39	.36
529-0191	39-01-3083	4	8	94V-2	.26	.24
863-0734	39-01-3103	4	10	94V-2	.26	.23
863-0676	39-01-3109	4	10	94V-0	.47	.43
863-0655	39-01-3129	4	12	94V-0	.53	.48
529-0209	39-01-3123	4	12	94V-2	.28	.25
863-0661	39-01-3143	4	14	94V-2	.39	.35
529-0242	39-01-2185	4	18	94V-0	.82	.74
863-0688	39-01-2180	4	18	94V-2	.44	.40

Plug Housings — Panel Mount

Stock No.	Mfr.'s Type	Fig.	No. of Circuits	Rating	EACH	
					1-49	50-99
863-0436	39-01-2021	3	2	94V-2	.19	.17
863-0472	39-01-2026	3	2	94V-0	.30	.27
863-0437	39-01-2041	3	4	94V-2	.20	.18
863-0728	39-01-2046	3	4	94V-0	.31	.28
863-0438	39-01-2061	3	6	94V-2	.22	.20
863-0562	39-01-2066	3	6	94V-0	.41	.37
863-0281	39-01-2081	3	8	94V-2	.25	.23
863-0775	39-01-2086	3	8	94V-0	.49	.44
863-0613	39-01-2101	3	10	94V-2	.28	.26
529-0476	39-01-2106	3	10	94V-0	.51	.46
863-0605	39-01-2121	3	12	94V-2	.28	.26
863-0846	39-01-2126	3	12	94V-0	.47	.43
863-0586	39-01-2161	3	16	94V-2	.64	.59
529-0475	39-01-2181	3	18	94V-2	.59	.54
529-0089	39-01-2201	3	20	94V-2	.73	.67
863-1638	39-01-2241	3	24	94V-2	.80	.72

Receptacle Housings

Stock No.	Mfr.'s Type	Fig.	No. of Circuits	Rating	EACH	
					1-49	50-99
863-0396	39-01-2020	5	2	94V-2	.13	.11
863-0428	39-01-2025	5	2	94V-0	.24	.22
863-0421	39-01-2040	5	4	94V-2	.14	.13
863-0598	39-01-2045	5	4	94V-0	.26	.24
863-0324	39-01-2060	5	6	94V-2	.18	.16
863-0802	39-01-2065	5	6	94V-0	.38	.35
863-0272	39-01-2080	5	8	94V-2	.20	.18
863-0779	39-01-2085	5	8	94V-0	.35	.32
863-0462	39-01-2100	5	10	94V-2	.27	.25
863-0448	39-01-2105	5	10	94V-0	.43	.39
863-0587	39-01-2120	5	12	94V-2	.34	.31
863-0393	39-01-2125	5	12	94V-0	.49	.45
863-0650	39-01-2140	5	14	94V-2	.40	.36
863-0615	39-01-2145	5	14	94V-0	.49	.44
863-0384	39-01-2160	5	16	94V-2	.46	.42
863-0776	39-01-2165	5	16	94V-0	.59	.54
863-0788	39-01-2205	5	20	94V-0	.92	.83
863-1418	39-01-2220	5	20	94V-0	.80	.72
863-0389	39-01-2200	5	20	94V-2	.40	.37
529-0348	39-01-2245	5	24	94V-1	1.05	.96
863-0663	39-01-2240	5	24	94V-2	.49	.45

Mini-Fit, Jr.™ Crimp Tools



Stock No.	Mfr.'s Type	Description	EACH
607-0338	63819-0900	Crimp Tool, 24-16 AWG	240.09
607-0337	63819-1000	Crimp Tool, 28-22 AWG	222.94
607-0184	11-03-0044	Extraction Tool	18.36

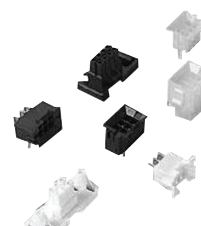
Mini-Fit TPA

This version of the Mini-Fit family was uniquely designed to assure the terminals are fully seated in the receptacle and plug housings and cannot back out. The system is for positive locking, wire to wire and wire to board applications.



Stock No.	Mfr.'s Type	Description	No. of Circuits	EACH	
				1-49	50-99
863-1516	15-97-8022	Right-Angle Header	2	.71	.65
863-1517	15-97-8042	Right-Angle Header	4	1.02	.93
863-1518	15-97-8062	Right-Angle Header	6	1.24	1.13
863-1519	15-97-8082	Right-Angle Header	8	1.51	1.37
863-1521	15-97-8102	Right-Angle Header	10	1.92	1.74
863-1523	15-97-8122	Right-Angle Header	12	2.20	2.00
863-1524	15-97-8162	Right-Angle Header	16	2.65	2.41
863-1526	15-97-5021	Receptacle	2	.33	.30
863-1527	15-97-5041	Receptacle	4	.47	.43
863-1528	15-97-5061	Receptacle	6	.45	.41
863-1529	15-97-5081	Receptacle	8	.49	.45
863-1531	15-97-5101	Receptacle	10	.67	.61
863-1532	15-97-5121	Receptacle	12	.64	.58
863-1533	15-97-5161	Receptacle	16	.90	.82
863-1534	15-97-6021	Plug	2	.39	.35
863-1536	15-97-6041	Plug	4	.37	.33
863-1537	15-97-6061	Plug	6	.51	.46
863-1538	15-97-6081	Plug	8	.55	.50
863-1539	15-97-6101	Plug	10	.69	.63
863-1541	15-97-6161	Plug	16	1.00	.91

Mini-Fit BMI



Blindmate Interface connectors are designed for applications that require blind mating of PCBs, daughtercards, or subassemblies.

Stock No.	Mfr.'s Type	Description	No. of Circuits	EACH	
				1-49	50-99
863-1542	15-06-0045	Plug Panel Mount	4	.39	.35
863-1543	15-06-0065	Plug Panel Mount	6	.43	.39
863-1544	15-06-0085	Plug Panel Mount	8	.41	.37
863-1545	15-06-0105	Plug Panel Mount	10	.52	.47
863-1546	15-06-0040	Receptacle Panel Mount	4	.43	.39
863-1547	15-06-0060	Receptacle Panel Mount	6	.41	.37
863-1548	15-06-0080	Receptacle Panel Mount	8	.68	.61
863-1549	15-06-0100	Receptacle Panel Mount	10	.66	.59
529-0185	15-06-0140	Receptacle Panel Mount	14	.85	.76
529-0225	15-06-0240	Receptacle Panel Mount	24	1.54	1.39
863-1550	15-24-7040	Receptacle Header	4	.97	.88
863-1551	15-24-7060	Receptacle Header	6	1.25	1.12
863-1552	15-24-7100	Receptacle Header	10	1.77	1.59
863-1553	15-24-6040	Right-Angle Header	4	1.09	.98
863-1554	15-24-6060	Right-Angle Header	6	1.29	1.16